

ACCESS SERVICE

8. Advanced Communications Services8.1 Digital Subscriber Line Service8.1.1 General

Digital Subscriber Line (DSL) service provides high speed transmission service over existing loop facilities which are also used to provision the customer's local exchange service. The regulations and rates specified herein are in addition to the regulations and rates specified in other sections of this tariff.

8.2 ADSL Service8.2.1 Service Description

This section contains the rules and regulations pertaining to the provision of Asymmetrical Digital Subscriber Line (ADSL) service. ADSL service is an access data technology offering. The Telephone Company currently offers ADSL service at the nominal speed levels of 1.0 Mbps down/128 Kbps up. The "up" speed represents transmission speed from the customer designated premise (CDP) to the Telephone Company's ADSL connection point, while the "down" speed represents transmission speed from the Telephone Company's ADSL connection point to the CDP. The connection point is the aggregation point designated by the Telephone Company for connecting multiple Telephone Company serving wire centers of ADSL terminations to other Telephone Company provided network interface services.

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.1 Service Description (Cont'd)

ADSL Service consists of ADSL Channels, which connect a customer designated premises to the ADSL connection point; ADSL Access Ports, which allow the aggregation of traffic from multiple ADSL Channels onto the same facility; and Permanent Virtual Circuits (PVCs), which define logical connections between ADSL Channels and ADSL Ports. While the Telephone Company envisions that ADSL Channels and PVCs will generally be purchased by end users and ADSL Access Ports will generally be purchased by Internet Service Providers (ISPs), there is no restriction as to what type of customer may order the various rate elements. Use of the terms "end user customer" to mean the customer purchasing the ADSL Channel and "ISP customer" to mean the customer purchasing the ADSL Access port are meant only to clarify rate relationships and are not meant to limit customer choices.

Where a service is ordered with a minimum term commitments the regulations in Section 7.4.9 of this tariff apply to the discontinuation of such service.

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(N)8.2.2 ADSL Channel

The ADSL Channel is provisioned over existing Telephone Company copper facilities and transported to the Telephone Company's backbone network. The ADSL Channel provides a connection from the CDP to the ADSL connection point.

The rates and charges for the ADSL Channel are in addition to basic local exchange service. A customer who obtains local exchange service from the Telephone Company's local or general exchange tariff may obtain ADSL Channel service utilizing the same copper facilities as the basic local exchange service.

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.2 ADSL Channel (Cont'd)

The Telephone Company will qualify the ADSL Service between the CDP and the serving wire center. The purpose of qualification is to determine the availability and suitability of existing Telephone Company copper facilities to provide the service. The Telephone Company will not provision this service on facilities that are not suitable for ADSL. See Section 8.3.5 following. (T)

ADSL will be provided subject to the availability and limitation of Telephone Company wire centers and outside plant facilities and is only available where technical capabilities permit. Downstream data rates depend on a number of factors, including but not limited to (1) the distance from the CDP to the serving wire center, (2) the type of loop facility, and (3) the physical plant.

Each customer may select up to three Permanent Virtual Circuits (PVCs) to be associated with the ADSL Channel. Each PVC represents a virtual connection between the ADSL Channel and an ADSL Access Port. Some service level packages may allow fewer PVCs.

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

8.2.3 ADSL Access Port and ADSL Extended Access Port

The ADSL Access Port charges are for connection to the ADSL Service or to SDSL (C)
Service as described in Section 8.3 of this tariff. A customer may select PVCs routing (C)
both ADSL Channels and SDSL Channels to the same ADSL Access Port where this (C)
functionality is available. Alternatively, some customers may choose to use separate (C)
ADSL Access Ports for SDSL service and ADSL service. An ADSL Access Port will be (C)
available at the ADSL connection points specified by the Telephone Company. The
ADSL Access Port is available as a DS3 interface. The ISP Customer will generally
need to obtain transport from the ADSL Access Port to the ISP Customer's location.
Such transport may be obtained by ordering services from Section 7 of this tariff for
connection to the ADSL Access Port.

The ADSL Extended Access Port includes the functionality of the ADSL Access Port plus a communication path between the ADSL connection point and the customer's designated premise. The customer's designated premise must be served by the wire center which contains the ADSL connection point. The ADSL Extended Access Port is available as a DS1 interface.

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd) (T)8.2.4 Responsibility of the Telephone Company (T)

The Telephone Company will provision and maintain ADSL service for the customer from the Network Interface Device (NID) to the ADSL connection point. The Telephone Company will advise the end user customer of the equipment necessary to support ADSL service.

8.2.5 Rights of the Telephone Company (T)

The Telephone Company will not provision ADSL service if the Telephone Company reasonably determines that (a) it is not technically feasible over existing facilities, or (b) it will cause interference problems with existing services.

Equipment at the Customer Designated Premises must meet Telephone Company specifications.

During the Telephone Company's network maintenance and software update periods, it may be necessary to place the ADSL wire center out of service. The Telephone Company reserves the right to temporarily interrupt ADSL Service at other times in emergency situations.

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8. Advanced Communications Services (Cont'd)

8.2 ADSL Service (Cont'd) (T)

8.2.6 Responsibility of the Customer (T)

The end user customer is responsible for providing compatible Customer Premises Equipment (CPE) that is used for connection to ADSL service.

The ISP customer is responsible for providing the Telephone Company with the necessary information to provision the ADSL Access Port.

The customer ordering ADSL Channel Service on behalf of its subscriber(s) must obtain a letter of agency. The customer will be responsible for obtaining permission from its subscriber(s) for the Telephone Company's agents or employees to enter the customer's designated locations at a reasonable hour for the purpose of installing, inspecting, repairing, or upon termination of the service, removing the service components of the Telephone Company.

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.7 Rate Elements

Monthly recurring charges apply for ADSL service, and nonrecurring charges apply to installation of the service. A nonrecurring charge is also applicable when making changes, i.e., bandwidth, access provider, or move.

ADSL service is available in service level packages, and is based on the downstream and upstream speeds chosen by the customer. Service level packages are defined by the downstream and upstream speeds. Currently available service level packages are:

Package	Downstream	Upstream	Maximum PVCs Allowed	(N)
ADSL Tier 1	1.0 Mbps	128 Kbps	3	(N)
ADSL Tier 1a	1.0 Mbps	128 Kbps	1	(N)

Data speeds set forth above are peak speeds. Actual speeds may be affected by loop distance and other factors, and are not guaranteed.

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.8 Rates and Charges

(A) ADSL Channel	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Charge
ADSL Tier 1 Rochester	7RD12 7BD12	\$34.95	SLC	\$00.00
All Other Companies #	DL128	\$34.95	ADSL	\$99.95
ADSL Tier 1a Available at the following companies: Wisconsin, Michigan, Illinois, Midland, Mt. Pulaski, Orion, Schuyler, Thorntown (N)	DL128	\$39.95	DSL CI	\$49.95

(B) ADSL Access Port	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Charge
DS3 Port, per port Rochester	7PTD3	\$1700.00	SLP	\$680.00
All Other Companies #	DSLPT	\$1700.00	DSL NRC	\$680.00
DS1 Port, per port Rochester		N/A		N/A
All Other Companies #	DSL1PT	\$700.00	DSL1NRC	\$500.00

(C) ADSL Extended Access Port

	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
DS1 Extended Port, per Port, at Frontier Communications of Wisconsin:				
--12 month Plan	DSLE12	\$310.00		\$500.00
--24 month Plan	DSLE24	\$290.00		\$500.00
--36 month Plan	DSLE36	\$275.00		\$500.00

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.9 Promotional Offerings

(A) ADSL Channel Promotional Rates for service ordered between January 17, 2000 and June 17, 2000

For a limited time only, subscribers of Frontier Telephone of Rochester local service may order installation of new ADSL Tier 1 service at reduced rates. For orders received from January 17, 2000 through June 17, 2000, subscribers will be guaranteed the following monthly rate for as long as the service is active. To receive this promotional rate, a customer must place a completed order for new ADSL Channel service within the time period specified. If order completion is delayed due to Telephone Company reasons, the order completion date will be extended.

	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
ADSL Tier 1 Rochester	7RD12 7BD12	\$29.95	SLC	\$99.95

(B) ADSL Channel Promotional Rates for service ordered between June 19, 2000 and December 31, 2000

For a limited time only, subscribers of Frontier Telephone of Rochester, Inc. local service may order installation of new ADSL Tier 1 service at reduced rates. For orders received from June 19, 2000 through December 31, 2000, subscribers will be guaranteed the following monthly rate for as long as the service is active. To receive this promotional rate, a customer must place a completed order for new ADSL Channel service within the time period specified. If order completion is delayed due to Telephone Company reasons, the order completion date will be extended. This offering is not available with any other promotions.

	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
ADSL Tier 1 Rochester	7RD12 7BD12	\$29.95	SLC	\$00.00

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.9 Promotional Offerings

(C) ADSL Channel Promotional Rates for service ordered between January 2, 2001 and June 30, 2001.

For a limited time only, subscribers of Frontier Telephone of Rochester, Inc. local service may order installation of new ADSL Tier 1 service at reduced rates. For orders received from January 2, 2001 through June 30, 2001, subscribers will be guaranteed the following monthly rate for as long as the service is active. To receive this promotional rate, a customer must place a completed order for new ADSL Channel service within the time period specified. If order completion is delayed due to Telephone Company reasons, the order completion date will be extended. This offering is not available with any other promotions.

	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
ADSL Tier 1 Rochester	7RD12 7BD12	\$29.95	SLC	\$00.00

(D) ADSL Channel Promotional Rates for service ordered between February 19, 2001 and March 15, 2001

For a limited time only, subscribers of Frontier Telephone of Rochester, Inc. local service may order installation of new ADSL Tier 1 service at reduced rates and receive a further reduction for the first two months of service. For orders received from February 19, 2001 through March 15, 2001, subscribers will be guaranteed the following monthly rate for as long as the service is active. To receive this promotional rate, a customer must place a completed order for new ADSL Channel service within the time period specified. If order completion is delayed due to Telephone Company reasons, the order completion date will be extended. This offering is not available with any other promotions.

		Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
ADSL Tier 1 Rochester	Initial Rate for 2 months	7RD12 7BD12	\$14.95	SLC	\$0.00
	Ongoing Monthly Rate	7RD12 7BD12	\$29.95		

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8. Advanced Communications Services (Cont'd)8.2 ADSL Service (Cont'd)8.2.9 Promotional Offerings (Cont'd)

(E) ADSL Channel Promotional Rates for service ordered between March 16, 2001 and April 15, 2001

For a limited time only, subscribers of Frontier Telephone of Rochester, Inc. local service may order installation of new ADSL Tier 1 service at reduced rates and receive a further reduction for the first two months of service. For orders received from March 16, 2001 through April 15, 2001, subscribers will be guaranteed the following monthly rate for as long as the service is active. To receive this promotional rate, a customer must place a completed order for new ADSL Channel service within the time period specified. If order completion is delayed due to Telephone Company reasons, the order completion date will be extended. This offering is not available with any other promotions.

		Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
ADSL Tier 1 Rochester	Initial Rate	7RD12	\$14.95	SLC	\$0.00
	for 2 months	7BD12			
	Ongoing	7RD12	\$29.95		
	Monthly Rate	7BD12			

(F) ADSL Channel Promotional Rates for service ordered between April 18, 2001 and May 31, 2001

For a limited time only, subscribers of Frontier Telephone of Rochester, Inc. local service may order installation of new ADSL Tier 1 service at reduced rates and receive the first month of service at no charge. For orders received from April 18, 2001 through May 31, 2001, subscribers will be guaranteed the following monthly rate for as long as the service is active. To receive this promotional rate, a customer must place a completed order for new ADSL Channel service within the time period specified. If order completion is delayed due to Telephone Company reasons, the order completion date will be extended. This offering is not available with any other promotions.

		Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Rate
ADSL Tier 1 Rochester	Initial Rate	7RD12	\$ 0.00	SLC	\$0.00
	for 1 st month	7BD12			
	Ongoing	7RD12	\$29.95		
	Monthly Rate	7BD12			

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service8.3.1 Service Description

This section contains the rules and regulations pertaining to the provision of Symmetrical Digital Subscriber Line (SDSL) service. SDSL service is an access data technology offering. The Telephone Company offers SDSL service, where available, at the nominal speed levels of 256 Kbps, 512 Kbps, 768 Kbps, and 1.544 Mbps. These speeds represent transmission between the customer designated premise (CDP) and the Telephone Company's ADSL connection point, with transmission speeds being the same in both directions. The connection point is the aggregation point designated by the Telephone Company for connecting multiple Telephone Company serving wire centers of SDSL terminations to other Telephone Company provided network interface services.

SDSL Service consists of SDSL Channels, which connect a customer designated premises to the ADSL connection point; ADSL Access Ports, described in Section 8.2.3 of this Tariff; and Permanent Virtual Circuits (PVCs), which define logical connections between SDSL Channels and ADSL Ports or between SDSL Channels.

Where a service is ordered with a minimum term commitments the regulations in Section 7.4.9 of this tariff apply to the discontinuation of such service.

8.3.2 SDSL Channel

The SDSL Channel is provisioned over Telephone Company copper facilities and transported to the Telephone Company's backbone network. The SDSL Channel provides a connection from the CDP to the SDSL connection point. Each SDSL Channel requires that copper facilities between the CDP and the Wire Center serving the CDP be dedicated to the SDSL service. In contrast to the ADSL Channel described in Section 8.2.2 of this tariff, the SDSL Channel does not share copper facilities with basic local exchange service.

The Telephone Company will qualify the SDSL Service between the CDP and the serving wire center. The purpose of qualification is to determine the availability and suitability of existing Telephone Company copper facilities to provide the service. The Telephone Company will not provision this service on facilities that are not suitable for SDSL. See Section 8.3.4 following.

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service (Cont'd)8.3.2 SDSL Channel (Cont'd)

SDSL will be provided subject to the availability and limitation of Telephone Company wire centers and outside plant facilities and is only available where technical capabilities permit. Data rates depend on a number of factors, including but not limited to (1) the distance from the CDP to the serving wire center, (2) the type of loop facility, and (3) the physical plant.

Each customer must select one Permanent Virtual Circuit (PVC) to be associated with the SDSL Channel. The PVC represents a virtual connection between the SDSL Channel and an ADSL Access Port, or between two SDSL Channels of the same nominal speed. No more than one PVC may be associated with each SDSL Channel

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

8.3.3 Responsibility of the Telephone Company

The Telephone Company will provision and maintain SDSL service for the customer from the Network Interface Device (NID) to the ADSL connection point. The Telephone Company will advise the end user customer of the equipment necessary to support SDSL service.

8.3.4 Rights of the Telephone Company

The Telephone Company will not provision SDSL service if the Telephone Company reasonably determines that (a) it is not technically feasible over existing facilities, or (b) it will cause interference problems with existing services.

Equipment at the Customer Designated Premises must meet Telephone Company specifications.

During the Telephone Company's network maintenance and software update periods, it may be necessary to place the SDSL wire center out of service. The Telephone Company reserves the right to temporarily interrupt SDSL Service at other times in emergency situations.

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service (Cont'd)8.3.5 Responsibility of the Customer

The customer is responsible for providing compatible Customer Premises Equipment (CPE) that is used for connection to ADSL service. When a customer reports a trouble to the Telephone Company for clearance and Telephone Company personnel are dispatched to the customer's designated premises but no trouble is found in the Telephone Company's facilities or equipment, the customer shall be responsible for payment of a Maintenance of Service Charge as set forth in 8.3.8 following. Failure of Telephone Company personnel to find trouble in Telephone Company facilities and equipment will result in no charge if the trouble is actually in those facilities or equipment but was not discovered at the time. The customer will be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel and the trouble is in equipment or communications systems provided by parties other than the Telephone Company, or in detariffed CPE provided by the Telephone Company.

The customer ordering SDSL Channel Service on behalf of its subscriber(s) must obtain a letter of agency. The customer will be responsible for obtaining permission from its subscriber(s) for the Telephone Company's agents or employees to enter the customer's designated locations at a reasonable hour for the purpose of installing, inspecting, repairing, or upon termination of the service, removing the service components of the Telephone Company.

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service (Cont'd)8.3.6 Rate Regulations

The SDSL Channel rate element is available on a month to month basis, or at lower monthly rates with minimum term commitments. A customer purchasing multiple month to month SDSL channels may be eligible for lower rates based on the volume billed. The following conditions apply to volume discounts:

At the time the Telephone Company processes the customer's bill, the number of SDSL Channels associated with the customer's account will be determined. All qualifying SDSL Channels will be billed at the rate appropriate for the volume so determined. An SDSL Channel is associated with the customer's account if it is in service and being billed on the bill date.

All month to month SDSL channels provided at speeds of 256 Kbps, 512 Kbps, 768 Kbps, and 1.544 Mbps on a single bill will qualify for inclusion in the volume discount. No SDSL channels provided at lower rates for term commitments will qualify. A customer who is receiving a volume discount on SDSL Channels will receive the previous month's level of discount on partial charges or credits for SDSL Channels installed or removed during the preceding month.

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service (Cont'd)8.3.7 Rate Elements

Monthly recurring charges apply for SDSL service, and nonrecurring charges apply to installation or move of the service. A nonrecurring charge is also applicable when changing a service from one data rate to another or when changing the Permanent Virtual Circuit (e.g., changing ISPs).

SDSL service is available in service level packages, and is based on the data transmission speeds chosen by the customer. Service level packages are defined by the data transmission speeds. Currently available service level packages are:

SDSL Channel, 256 Kbps
SDSL Channel, 512 Kbps
SDSL Channel, 768 Kbps
SDSL Channel, 1.544 Mbps

Data speeds set forth above are peak speeds. Actual speeds may be affected by loop distance and other factors, and are not guaranteed.

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service (Cont'd)8.3.8 Rates and Charges

(A) SDSL Channel	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Charge	
SDSL Channel, Month to Month					
Rochester, 0-5 SDSL Channels billed:					
256 Kbps	7SBW2, 7SBM2	\$105.00	SDSM	\$299.00	(T)
512 Kbps	7SBW5, 7SBM5	\$150.00	SDSM	\$299.00	
768 Kbps	7SBW7, 7SBM7	\$220.00	SDSM	\$299.00	
1.544 Mbps	7SBW1, 7SBM1	\$295.00	SDSM	\$299.00	
SDSL Channel, Month to Month					
Rochester, 6-49 SDSL Channels billed:					
256 Kbps	7SBW2, 7SBM2	\$89.25	SDSM	\$299.00	(T)
512 Kbps	7SBW5, 7SBM5	\$127.50	SDSM	\$299.00	
768 Kbps	7SBW7, 7SBM7	\$187.00	SDSM	\$299.00	
1.544 Mbps	7SBW1, 7SBM1	\$250.75	SDSM	\$299.00	
SDSL Channel, Month to Month					
Rochester, 50-124 SDSL Channels billed:					
256 Kbps	7SBW2, 7SBM2	\$84.00	SDSM	\$299.00	(T)
512 Kbps	7SBW5, 7SBM5	\$120.00	SDSM	\$299.00	
768 Kbps	7SBW7, 7SBM7	\$176.00	SDSM	\$299.00	
1.544 Mbps	7SBW1, 7SBM1	\$236.00	SDSM	\$299.00	
SDSL Channel, Month to Month					
Rochester, 125-199 SDSL Channels billed:					
256 Kbps	7SBW2, 7SBM2	\$73.50	SDSM	\$299.00	(T)
512 Kbps	7SBW5, 7SBM5	\$105.00	SDSM	\$299.00	
768 Kbps	7SBW7, 7SBM7	\$154.00	SDSM	\$299.00	
1.544 Mbps	7SBW1, 7SBM1	\$206.50	SDSM	\$299.00	
SDSL Channel, Month to Month					
Rochester, 200 or more SDSL Channels billed:					
256 Kbps	7SBW2, 7SBM2	\$63.00	SDSM	\$299.00	(T)
512 Kbps	7SBW5, 7SBM5	\$90.00	SDSM	\$299.00	
768 Kbps	7SBW7, 7SBM7	\$132.00	SDSM	\$299.00	
1.544 Mbps	7SBW1, 7SBM1	\$177.00	SDSM	\$299.00	

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8. Advanced Communications Services (Cont'd)8.3 SDSL Service (Cont'd)8.3.8 Rates and Charges (Cont'd)

(A) SDSL Channel (Cont'd)	Recurring USOC	Monthly Rate	Nonrecurring USOC	Nonrecurring Charge
SDSL Channel, 12 month plan				
Rochester:				
256 Kbps	7SB12	\$90.00	SDS1	\$299.00
512 Kbps	7SB15	\$130.00	SDS1	\$299.00
768 Kbps	7SB17	\$190.00	SDS1	\$299.00
1.544 Mbps	7SB11	\$260.00	SDS1	\$299.00
SDSL Channel, 24 month plan				
Rochester:				
256 Kbps	7SB22	\$80.00	SDS2	\$199.00
512 Kbps	7SB25	\$120.00	SDS2	\$199.00
768 Kbps	7SB27	\$175.00	SDS2	\$199.00
1.544 Mbps	7SB21	\$230.00	SDS2	\$199.00
SDSL Channel, 36 month plan				
Rochester:				
256 Kbps	7SB32	\$70.00	SDS3	\$0.00
512 Kbps	7SB35	\$115.00	SDS3	\$0.00
768 Kbps	7SB37	\$160.00	SDS3	\$0.00
1.544 Mbps	7SB31	\$215.00	SDS3	\$0.00
SDSL Channel, all terms & quantities:				
Change of PVC			ISPC	\$100.00
Change of Data Rate			SDSS	\$100.00
Maintenance of Service Charge				
- per tech dispatched when no trouble is found in Telephone Company facilities or equipment				\$95.00

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ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service8.4.1 Service Description

This section contains the rules and regulations pertaining to the provision of Synchronous Optical Network (SONET) service. SONET is the North American standard for the transmission of high capacity bandwidth over optical facilities. This synchronous transmission platform utilizes a modular multiplexing approach. Because of the large bandwidth, some of the payload is used to monitor, protect, manage, and improve the transmission of the signal.

SONET services are differentiated by bit rate of the backbone transmission path. The Telephone Company offers SONET services at the following transmission speeds:

- OC-3 Service provides transmission at the bit rate of 155.52 Mbps
- OC-12 Service provides transmission at the bit rate of 622.08 Mbps
- OC-48 Service provides transmission at the bit rate of 2488.32 Mbps

SONET service consists of nodes, ports, links, and interoffice mileage. Within point to point SONET service, the same payload content is maintained throughout the transmission path, i.e. if DS1s are mapped at one end they must also be mapped at the other end.

8.4.2 SONET Node

SONET Service provides connectivity to two or more customer-designated locations, or nodes. Nodes may be located in Telephone Company central offices or at customer premises. At least one node must be located in a Telephone Company central office. The Telephone Company reserves the right to limit the number of nodes on any SONET arrangement based on engineering considerations.

A SONET Node can function as an add/drop multiplexer for the underlying SONET transmission service, and can also function as the end point of a SONET transmission channel. To use the add/drop multiplexer function, the customer must also purchase the appropriate port(s) at the desired node.

Each SONET Node represents transmission capacity specific to the ordered SONET service. However, the Telephone Company does not guarantee the use of equipment specifically dedicated to any individual customer.

(N)

(N)

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8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.3 SONET Link

A SONET Link is a fiber optic connection between a Telephone Company wire center and a customer premise. The SONET Link consists of two optical fibers connecting the customer premise and the Telephone Company wire center. The customer premise end of a SONET Link will be connected to a SONET Node at the customer premise. The central office end of a SONET Link may be connected to a SONET Node at the central office, or may be connected to one end of SONET Interoffice Mileage for the purpose of connecting to a SONET node at a different central office.

SONET Links are billed on a distance sensitive basis. The SONET Link rate is applied on the basis of the number of airline quarter miles from the customer premise to the central office. If the customer desires a four fiber connection to the SONET node at the customer premise (e.g., 1+1 protection), a second SONET Link may be ordered. If the customer requests diverse routing for the second SONET Link, special construction charges as specified in Section 12 of this tariff will apply. The Telephone Company will comply with the request for diverse routing if it is technically feasible and the customer agrees to the cost of the special construction. If the diverse SONET Link is provided from an alternate wire center, the airline miles for the diverse link will be measured from the alternate wire center to the customer premise. In addition, SONET interoffice mileage will be needed even if it would not be needed absent the route diversity.

8.4.4 SONET Interoffice Mileage

SONET Interoffice Mileage provides a data transmission path between two Telephone Company central offices. The data transmission path provided will support the transmission speed of the selected SONET service, but is not guaranteed to be provided over fiber dedicated to a specific customer.

The end of a segment of SONET Interoffice Mileage may be connected to a SONET Node located in the appropriate central office, or to a SONET Link for connection to a SONET Node at a customer premise.

The SONET Interoffice mileage rate element consists of a fixed and mileage sensitive portion. The fixed portion of the rate element is billed per segment of SONET Interoffice Mileage. The mileage sensitive portion is billed per quarter mile, based on the airline distance between the two wire centers involved.

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8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.5 SONET Port

A SONET Port is an industry standard interface of the designated type and capacity. SONET Ports are provided at SONET Nodes, and provide the capacity to connect all or a portion of the SONET service to customer owned equipment or other Telephone Company provided services. SONET Ports represent mapping of the designated amount and type of capacity within the SONET service. Because this mapping must define a complete path through the SONET service, each SONET Port must be associated with another SONET Port of the same type on a different node of the SONET service. This has the practical effect of requiring SONET Ports to be ordered in pairs.

A SONET Port may be connected to another service of the same type, e.g. a DS1 SONET Port may be connected to a DS1 service or a DS3 SONET Port may be connected to a DS3 service. A SONET Port may be connected to a SONET Port of the same type on a different SONET service. For example, an OC-3c SONET Port on an OC-12 SONET node may be connected to an OC-3c SONET Port on an OC-3 SONET Node in the same central office. A SONET Port may not be connected to another SONET Port on the same SONET Node. When the SONET Node is at the customer location, a SONET Port may be connected to customer owned equipment.

SONET Ports do not include redundant protection from equipment failure. A customer wishing to have redundant protection from equipment failure at the port level may order a second pair of SONET Ports to protect the primary service. The protect ports will be provisioned at the same SONET Nodes as the primary ports.

8.4.6 SONET Reconfiguration Charge

The SONET Reconfiguration Charge is a non-recurring charge that is applied when the customer requests changes to an existing SONET service. The changes requested may include installation of additional ports; removal of existing ports; reconfiguration of an existing port to be located at a different node; or any combination of the above. One SONET Reconfiguration charge will apply per change request regardless of how many new, discontinued, and reconfigured ports are requested. The SONET Reconfiguration Charge does not apply to the initial order for a SONET service.

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service Cont'd)8.4.7 Rate Regulations

SONET service is offered only under term commitment periods, or term plans. The applicable commitment periods are 12 months, 24 months, 36 months, or 60 months. If the customer discontinues service prior to the expiration of the chosen period, the regulations in Section 7.4.9 of this tariff will apply.

Additional charges may be billed to the customer when the Company is levied charges for space and power required to place multiplexers on the Company's side of the network interface.

The customer is responsible for identifying what service configuration is to be provided when the SONET service is initially installed. This information is to be provided on the service order.

The removal or addition of a SONET Node will be considered the termination of one SONET Service and installation of a different SONET Service. Appropriate termination charges will apply in this case.

Monthly recurring charges apply for SONET Nodes, SONET Links, SONET Interoffice Mileage, and SONET Ports. A nonrecurring SONET Reconfiguration Charge applies when SONET Ports are added to, removed from, or reconfigured within an existing SONET service. A Maintenance of Service Charge will apply if the customer reports trouble, the Telephone Company dispatches a technician, and no trouble is found in the Telephone Company's service or equipment. Additional charges may apply if extraordinary costs are incurred to provision SONET service. These charges will be determined as specified in Section 12 of this tariff.

SONET service is available with transmission capacity defined by Optical Carrier (OC) Rates. The Optical Carrier Rates are in multiples of an OC-1, which is equivalent to an STS1 (synchronous transport signal) (54.84 Mbps), SONET's basic rate. The OC Rates offered by the Telephone Company are:

<u>OC Rate</u>	<u>Bandwidth Capacity</u>
OC-3	155.520 Mbps
OC-12	622.080 Mbps
OC-48	2.488 Gbps

(N)

(N)

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.8 Rates and Charges

(A) SONET 55.520 Mbps (OC-3)

12 Month plan

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	703N1	\$1,500.00	
DS-1 Port	73D11	35.00	
DS-3 Port	73D31	250.00	
OC-3c Port	73O31	430.00	
Link (per 1/4 airline mile)	703L1	65.00	
Interoffice Transport – Fixed	7031O	800.00	
- Var (airline 1/4 mile)	7031M	50.00	

Reconfiguration Charge			\$1,000.00
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(B) SONET 55.520 Mbps (OC-3)

24 Month plan

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	703N2	\$1,400.00	
DS-1 Port	73D12	35.00	
DS-3 Port	73D32	225.00	
OC-3c Port	73O32	400.00	
Link (per 1/4 airline mile)	703L2	55.00	
Interoffice Transport – Fixed	7031O	800.00	
- Var (airline 1/4 mile)	7031M	50.00	

Reconfiguration Charge			\$1,000.00
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(N)

(N)

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.8 Rates and Charges (Cont'd)

C) SONET 55.520 Mbps (OC-3)

36 Month plan

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	7O3N3	\$1,300.00	
DS-1 Port	73D13	30.00	
DS-3 Port	73D33	215.00	
OC-3c Port	73O33	380.00	
Link (per airline 1/4 mile)	7O3L3	50.00	
Interoffice Transport – Fixed	7O3IO	800.00	
- Var (airline 1/4 mile)	7O3IM	50.00	

Reconfiguration Charge		\$1,000.00
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D) SONET 55.520 Mbps (OC-3)

60 Month plan

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	7O3N5	\$1,000.00	
DS-1 Port	73D15	25.00	
S-3 Port	73D35	175.00	
OC-3c Port	73O35	290.00	
Link (per airline 1/4 mile)	7O3L5	45.00	
Interoffice Transport – Fixed	7O3IO	800.00	
- Var (airline 1/4 mile)	7O3IM	50.00	

Reconfiguration Charge		\$1,000.00
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(N)

(N)

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.8 Rates and Charges (Cont'd)

E) SONET 622.080 Mbps (OC-12)

12 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	712N1	\$2,600.00	
DS-1 Port	71211	35.00	
DS-3 Port	712D1	200.00	
OC-3c Port	71231	350.00	
OC-12 Port	712T1	860.00	
Link (per airline 1/4 mile)	712L1	65.00	
Interoffice Transport – Fixed	712IO	1,000.00	
- Var (airline 1/4 mile)	712IM	50.00	

Reconfiguration Charge \$1,000.00

F) SONET 622.080 Mbps (OC-12)

24 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	712N2	\$2,450.00	
DS-1 Port	71212	35.00	
DS-3 Port	712D2	175.00	
OC-3c Port	71232	315.00	
OC-12 Port	712T2	830.00	
Link (per airline 1/4 mile)	712L2	55.00	
Interoffice Transport – Fixed	712IO	1,000.00	
- Var (airline 1/4 mile)	712IM	50.00	

Reconfiguration Charge \$1,000.00

(N)

(N)

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.8 Rates and Charges (Cont'd)

G) SONET 622.080 Mbps (OC-12)

36 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	712N3	\$2,300.00	
DS-1 Port	71213	30.00	
DS-3 Port	712D3	150.00	
OC-3c Port	71233	275.00	
OC-12 Port	712T3	800.00	
Link (per airline 1/4 mile)	712L3	50.00	
Interoffice Transport – Fixed	712IO	1,000.00	
- Var (airline 1/4 mile)	712IM	50.00	

Reconfiguration Charge \$1,000.00

H) SONET 622.080 Mbps (OC-12)

60 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	712N5	\$1,900.00	
DS-1 Port	71215	25.00	
DS-3 Port	712D5	125.00	
OC-3c Port	71235	240.00	
OC-12 Port	712T5	700.00	
Link (per airline 1/4 mile)	712L5	45.00	
Interoffice Transport – Fixed	712IO	1,000.00	
- Var (airline 1/4 mile)	712IM	50.00	

Reconfiguration Charge \$1,000.00

(N)

(N)

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.8 Rates and Charges (Cont'd)

I) SONET 622.080 Mbps (OC-48)

12 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	748N1	\$4,800.00	
DS-3 Port	748D1	150.00	
OC-3c Port	74831	275.00	
OC-12 Port	748T1	860.00	
Link (per airline 1/4 mile)	748L1	65.00	
Interoffice Transport – Fixed	748IO	1,200.00	
- Var (airline 1/4 mile)	748IM	50.00	

Reconfiguration Charge \$1,000.00

J) SONET 622.080 Mbps (OC-48)

24 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	748N2	\$4,500.00	
DS-3 Port	748D2	135.00	
OC-3c Port	74832	250.00	
OC-12 Port	748T2	830.00	
Link (per airline 1/4 mile)	748L2	55.00	
Interoffice Transport – Fixed	748IO	1,200.00	
- Var (airline 1/4 mile)	748IM	50.00	

Reconfiguration Charge \$1,000.00

(N)

(N)

ACCESS SERVICE

8. Advanced Communications Services (Cont'd)8.4 SONET Special Access Service (Cont'd)8.4.8 Rates and Charges (Cont'd)

K) SONET 622.080 Mbps (OC-48)

36 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	748N3	\$4,200.00	
DS-3 Port	748D3	125.00	
OC-3c Port	74833	225.00	
OC-12 Port	748T3	800.00	
Link (per airline 1/4 mile)	748L3	50.00	
Interoffice Transport – Fixed	748IO	1,200.00	
- Var (airline 1/4 mile)	748IM	50.00	

Reconfiguration Charge \$1,000.00

L) SONET 622.080 Mbps (OC-48)

60 Month

Rochester:

	<u>Recurring USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Node	748N5	\$3,800.00	
DS-3 Port	748D5	100.00	
OC-3c Port	74835	175.00	
OC-12 Port	748T5	700.00	
Link (per airline 1/4 mile)	748L5	45.00	
Interoffice Transport – Fixed	748IO	1,200.00	
- Var (airline 1/4 mile)	748IM	50.00	

Reconfiguration Charge \$1,000.00

Maintenance of Service Charge for all SONET services \$95.00

- per tech dispatched when no trouble is found in Telephone Company facilities or equipment

(N)

(N)